

ABSTRACT

The present invention discloses an optical printed circuit board assembly with multi-channel block-type optical devices packaged therein, the printed circuit board assembly including a plate type heat spreader, a driving printed circuit board die bonded to a top of the heat spreader to convert electrical and optical signals to optical and electrical signals, respectively, a driving integrated circuit, die bonded to the top of the heat spreader and wire bonded to the driving printed circuit board.